

# Image Upload with Paperclip

[Lesson Notes](#)[Troubleshooting](#)[Support](#)[Complete & Continue](#)

Paperclip is a gem that allows you to upload images

## 1. Install the paperclip gem

<https://github.com/thoughtbot/paperclip> (<https://github.com/thoughtbot/paperclip>)  
*/Gemfile*

```
gem 'paperclip', '~> 3.0'
```

Then run:

```
$ bundle install
```

*/app/models/pins.rb*

```
class Pin < ActiveRecord::Base
  belongs_to :user
  has_attached_file :image, :styles => { :medium => "300x300>",
    :thumb => "100x100>" }
end
```

## 2. Generate a paperclip migration

```
$ rails generate paperclip pin image
```

Run and check the migration

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```
$ rake db:migrate
$ rake db:migrate:status
```

### 3. Restart your server after adding a gem file

```
$ ^C
$ rails server
```

### 4. Edit the pin form

*/app/views/pins/\_form.html.erb*

```
<%= form_for @pin, html: { multipart: true } do |f| %>
.
.
.
  <div class="form-group">
    <%= f.label :image %>
    <%= f.file_field :image, class: "form-control" %>
  </div>
.
.
.
```

### 5. Update the Pins Controller for strong parameters

*/app/controllers/concerns/pins\_controller.rb*

```
.
.
.
  def pin_params
    params.require(:pin).permit(:description, :image)
  end
.
.
.
```

### 6. Update the pins show view

*/app/views/pins/show.html.erb*

```
<%= image_tag @pin.image.url %>
.
.
.
```

### 7. Update the pins index

*/app/views/pins/index.html.erb*

+

```

<h1>Listing pins</h1>

<table>
  <thead>
    <tr>
      <th>Image</th>
      <th>Description</th>
      <th>User</th>
      <th></th>
      <th></th>
      <th></th>
    </tr>
  </thead>

  <tbody>
    <% @pins.each do |pin| %>
      <tr>
        <td><%= image_tag pin.image.url(:medium) %></td>
        <td><%= pin.description %></td>
        <td><%= pin.user.email if pin.user %></td>
        <td><%= link_to 'Show', pin_path(pin) %></td>
        <% if pin.user == current_user %>
          <td><%= link_to 'Edit', edit_pin_path(pin) %></td>
          <td><%= link_to 'Destroy', pin, method: :delete, data: {
confirm: 'Are you sure?' } %></td>
        <% end %>
      </tr>
    <% end %>
  </tbody>
</table>

<br>
<% if user_signed_in? %>
  <%= link_to 'New Pin', new_pin_path %>
<% end %>

```

## 8. Delete pins made by non users

```

$ rails console
$ Pin.first
$ pin = Pin.first
$ pin.destroy
$ Pin.first.destroy

```

## 9. Update the pins show view for image size

/app/views/pins/show.html.erb

```

<%= image_tag @pin.image.url(:medium) %>
.
.
.

```

## 10. Commit changes

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```
$ rails console  
$ git add .  
$ git commit -am "Add image upload with Paperclip"  
$ git push  
$ git config --global push.default matching
```

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